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# Organic Product Market

## ABSTRACT

Wheat is one of the world's most commonly consumed cereal grains and India is the second largest producer of wheat in the world after China. It's wide culinary applications and several health benefits make it the favorite of all. So, a website which sells different types of wheat that are available from different part of the country under a nutshell is required so that people can buy varieties of wheat from any part of the country. By bringing different farmers from various wheat producing states of our country can make it easier for the farmers to sell their wheats easier and at the same time customers can decide to buy from a wide variety of wheats that are available in the website. The website provides a user-friendly interface which makes both buying and purchasing of different wheats from different places easier. The website also helps to predict the yield of wheat by using different Machine Learning techniques as crop yield prediction is very important for global production of food.

## Users

1. Farmers
2. Customers

## Modules

1. Farmers
2. Customers
3. Admin

## Functionalities of Each Modules

### 1. Farmers module

- When a certain type of wheat's stock is finished notification goes to the corresponding farmer who add that wheat.
- They can view the stock request and add more stock.
- Farmer can update a wheat type.

- Farmer can provide new wheat suggestions.
- They can add wheat products.

## 2. Customers module

- They can send request for a particular wheat type.
- Chat bot to communicate with farmer.

## 3. Admin Module

- Admin can view and search wheat type, farmers and customers.
- Admin can remove or update the wheat product.
- Admin can view history and various other reports (Bills, customer browsing history)
- Stock management for all wheat types and wheat products.

## Technologies Used

- Frontend : React.js
- Backend : Node.js , Express.js
- Database : Mongo DB